

24. *Ephestia albosparsa*, sp. n. (No. 80).

Allied to *E. semirufa*, very similar in general pattern: primaries above shining leaden grey, irrorated with white; an oblique white stripe at basal third, immediately followed by a broad externally angulated leaden-grey band; a faint indication of a reniform spot, owing to the less densely congregated white scales at the end of the cell; a regular white stripe with leaden-grey internal border parallel to and near the outer margin: secondaries shining brownish white (like slightly tarnished silver), with snow-white fringe traversed near the base by a slender grey line: thorax grey; abdomen silvery whitish. Primaries below shining greyish brown; secondaries as above, excepting that they are whiter: body below silvery white. Expanse of wings $8\frac{1}{2}$ to $9\frac{1}{2}$ lines.

Two specimens. "Various localities on Hawaii."

[To be continued.]

XXXIII.—Description of *Parantirrhœa Marshalli*, the Type of a new Genus and Species of *Rhopaloceros* Lepidoptera from South India. By J. WOOD-MASON, Deputy Superintendent, Indian Museum, Calcutta.

Family Nymphalidæ.

Subfamily SATYRINÆ.

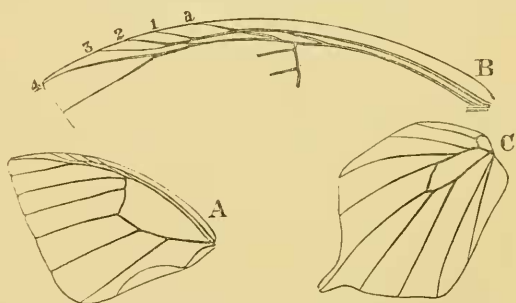
PARANTIRRHŒA *, gen. nov.

♂. Anterior wings triangular; anterior margin moderately and regularly arched; apical angle acute; outer margin almost straight, being only just perceptibly convex; inner angle rounded; inner margin sinuous, being lobed at the base much as in the males of *Clerome* and *Æmona*, genera of Morphinae; subcostal vein 4-branched, the first branch given off before and the second beyond the end of the discoidal cell, the first, second, and third coalescing successively and respectively with the costal vein, the first and the second and all three in turn becoming free and running off at a tangent, like the costal vein, to the anterior margin, the fourth being perfectly free from its origin and running to the apical angle; posterior discocellular veinlet long, very slightly concave outwards, almost straight, intermediate one not quite half the length of

* From *παρά*, by the side of, and *Antirrhœa*, generic name.

the posterior, anterior one rudimentary; submedian vein sinuous, short, terminating in the wing-membrane near the inner margin at about the level of the junction of the basal and second fourth of the length of that margin, being, in fact, hardly more developed than is the internal vein of the *Papilioninæ* as compared with that of many *Heterocerous Lepidoptera*; the first median veinlet directed straight outwards and backwards, out of its normal course, to the inner angle, and supplying the place of the rudimentary submedian. On turning to the underside it is seen that a narrow rounded lobe of the functional sutural area, about six times as long as it is broad, is folded back upon the under surface, to which it is firmly adherent; this lobe occupies the middle two fourths of the length of the inner margin, and is thickly clothed on its surface and fringed at its free edge with firmly attached, long, and somewhat raised modified scales, rendered conspicuous by their rich dark brown colour and satiny lustre; the outline of this turned-up lobe is marked out on the upperside by a curvilinear groove.

Posterior wings tailed, subquadrate, with four distinct margins, viz. a strongly and irregularly-arched anterior margin, nearly straight external and posterior margins, and an inner or abdominal margin, marked out by the obtuse-angled apex, the tail, and the well-rounded anal angle; with a black oval sexual mark, divided by the submedian vein, near the anal angle; costal vein short and straight, terminating before, and the first branch of the subcostal, which originates close



A. Right anterior wing, from the underside, nat. size, to show the whole venation and the inflected lobe of the inner margin. B. Anterior portion of the same, much enlarged, to show the relations of the veins to one another: *a*, costal vein; 1, 2, 3, 4, terminations of the four branches of the subcostal vein. C. Right posterior wing, from the underside, nat. size.

to the base of its vein, ending beyond the middle of the length of the anterior margin, the second branch being given off

before the middle of the discoidal cell and extending into the apical angle; "discoidal" vein in the same straight or slightly curved line with the subcostal; discocellular veinlet sinuous; the third median veinlet produced to a conspicuous tail.

Antennæ fine and distinctly clubbed.

Female unknown.

No Asiatic genus of Satyrinæ presents us with any approach to the remarkable arrangement of the two hindermost veins of the anterior wings described above; but in the South-American genus *Antirrhœa* we meet with identically the same arrangement, the first median veinlet in the males of *A. archæa* and its congeners running back to the inner angle, and the submedian vein ending a considerable distance short of that angle, though not nearly so far short of it as in the Indian form, for which I propose the above name, in allusion to these remarkable points of resemblance, reserving all further comparisons and comment until I shall be in possession of specimens of the South-American forms.

The species of the genus *Elymnias* alone exhibit the same disposition of the three anterior veins of the posterior wings.

Parantirrhœa Marshalli, n. sp.

♂. Wings above dark fuscous, suffused with rich deep violet.

Anterior wings with an outwardly and forwardly arched subcrescentic pale violet or mauve band, commencing beyond the middle of the wings at the costal vein, terminating at the inner angle, and crossed obliquely by a series of three small white spots disposed in a straight line parallel to the outer margin, and placed upon folds of as many consecutive cells, the last being between the two anterior median veinlets.

Posterior wings relatively longer-tailed than in *Melanitis ismene* (Cramer), with the membranous parts of the divergent tails almost wholly formed by the produced wing-membrane of the interspace between the second and third median veinlets, a very narrow anterior membranous edging only being contributed by the interspace next in front, and with rather more than the basal two thirds of their length in front of the discoidal and subcostal veins ochreous.

Wings below ochreous, obscurely striated with a deeper shade of the same colour, and marked with a submarginal series of inconspicuous brown specks, the probable rudiments of ocelli.

Length of anterior wing 1.16 inch, whence expanse = 2.4 inches.

The female will in all probability prove to differ from the

male not only in the absence of the sexual spot on the posterior wings, but also in having the inner margin of the anterior wings straight and neither lobed at the base nor turned up in the middle, and the first median veinlet and the submedian vein of the same wings normally arranged and developed and directed respectively to the outer margin and to the inner angle, after the manner usual amongst butterflies.

Hab. Trevandrum, Travancore, South India. Described from four specimens of the male—one (the type) recently purchased by the Indian Museum, and three the property of Capt. G. F. L. Marshall, R.E., to whom I am indebted not only for the opportunity of describing this interesting insect, but also for permission to dissect one of the specimens in his collection.

PROCEEDINGS OF LEARNED SOCIETIES.

GEOLOGICAL SOCIETY.

January 19, 1881.—Robert Etheridge, Esq., F.R.S.,
President, in the Chair.

The following communications were read:—

1. "Further Notes on the Family Diastoporidæ, Busk." By G. R. Vine, Esq. Communicated by Prof. P. Martin Duncan, M.B. Lond., F.R.S., F.G.S.

In continuing his review of the family of the Diastoporidæ, the author stated that upon the question of the classification of the Polyzoa he is inclined to accept the views recently published by the Rev. T. Hincks, in preference to the earlier ones enunciated by Prof. Busk. He now described the forms found in the Lias and Oolite, including *Diastopora stromatoporides*, Vine (= *liassica*, Quenst.), *D. ventricosa*, Vine, *D. oolitica*, Vine, *D. cricopora*, Vine.

The author then proceeded to argue against the inclusion of the foliaceous forms in the genus *Diastopora*, and concluded by giving a definition of the genus as now limited by himself.

2. "Further Notes on the Carboniferous Fenestellidæ." By G. W. Shrubsole, Esq., F.G.S.

The author pointed out the discrepancies in the descriptions given by Lonsdale, Phillips, M^cCoy, and King of the genus *Fenestella* as represented in the Silurian, Devonian, Carboniferous, and Permian formations respectively. He then proposed a new definition of his own, and described the following species—*F. plebeia*, M^cCoy, *F. membranacea*, Phil., *F. nodulosa*, Phil., *F. polyporata*, Phil., *F. crassa*, M^cCoy, *F. halkinensis*, sp. nov.; and in conclusion he pointed out that the few species to which he has reduced the Carboniferous *Fenestellæ* find their representatives in the North-American continent, only one really new form, *F. Norwoodiana*, having been described there.